3033201 DRAFT

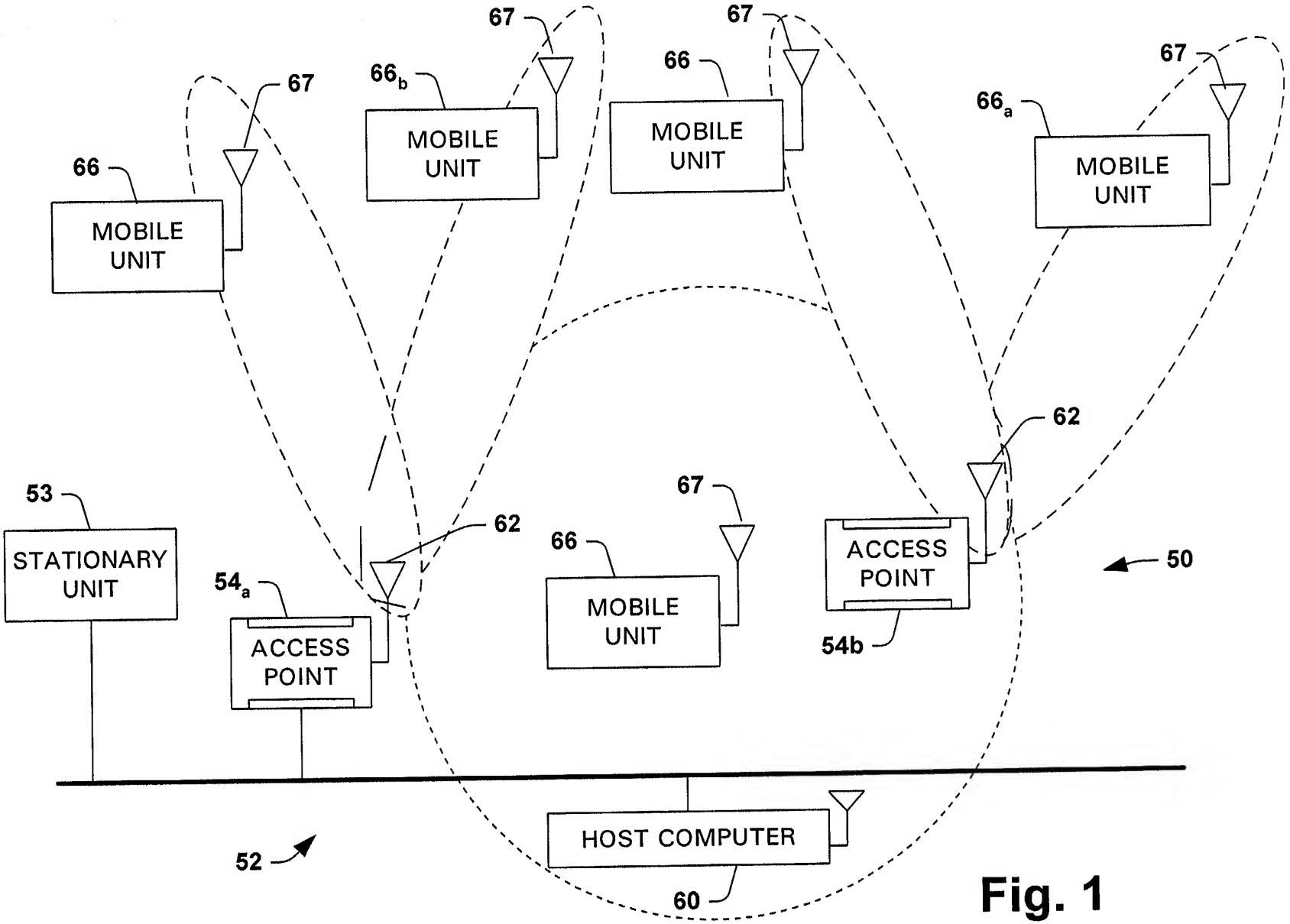

Fig. 1

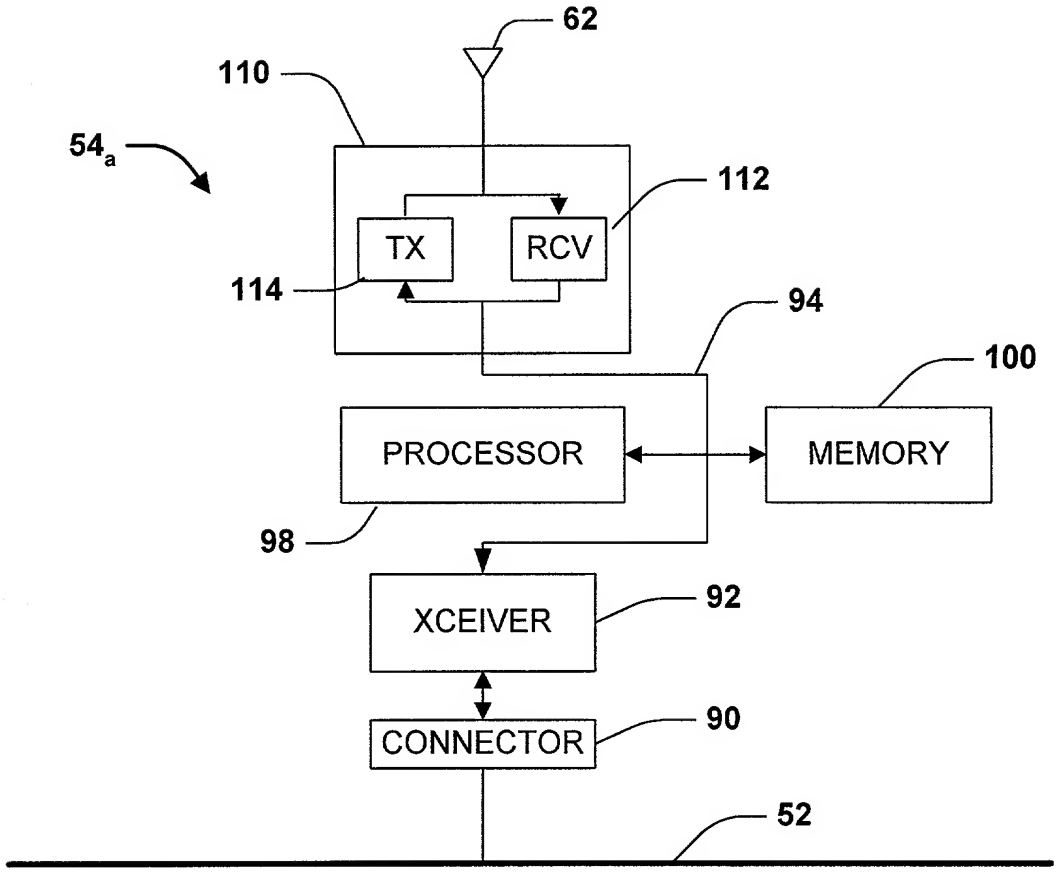
62
110
54a
112
TX
RCV
114
94
100
PROCESSOR
MEMORY
98
92
XCEIVER
90
CONNECTOR
52

Fig. 2a

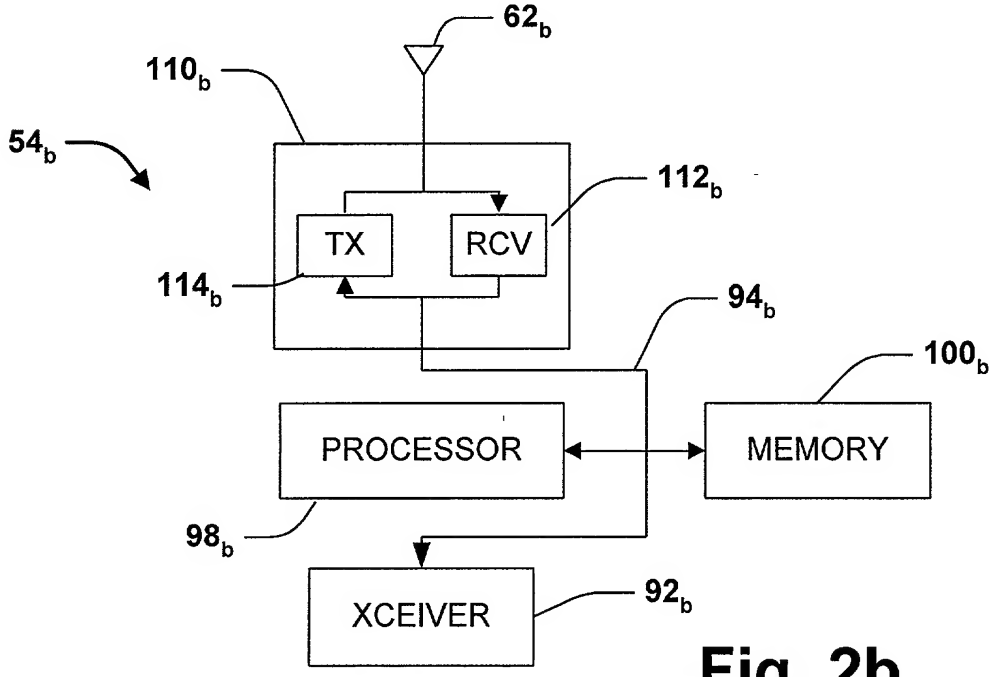
62b
110b
54b
112b
TX
RCV
114b
94b
100b
PROCESSOR
MEMORY
98b
92b
XCEIVER

Fig. 2b

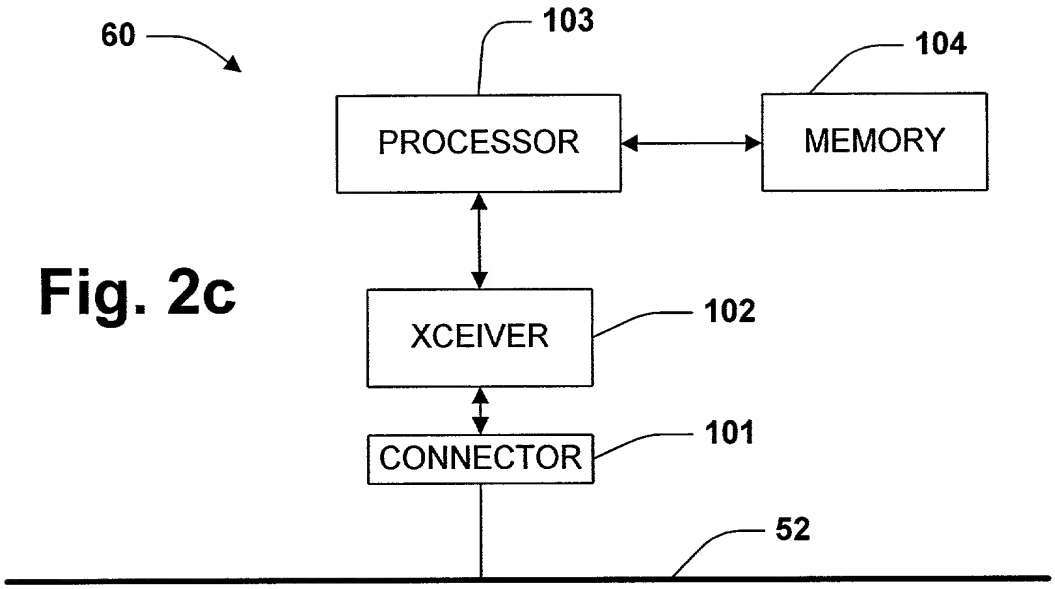
60
103
104
PROCESSOR
MEMORY
XCEIVER
102
CONNECTOR
101
52

Fig. 2c

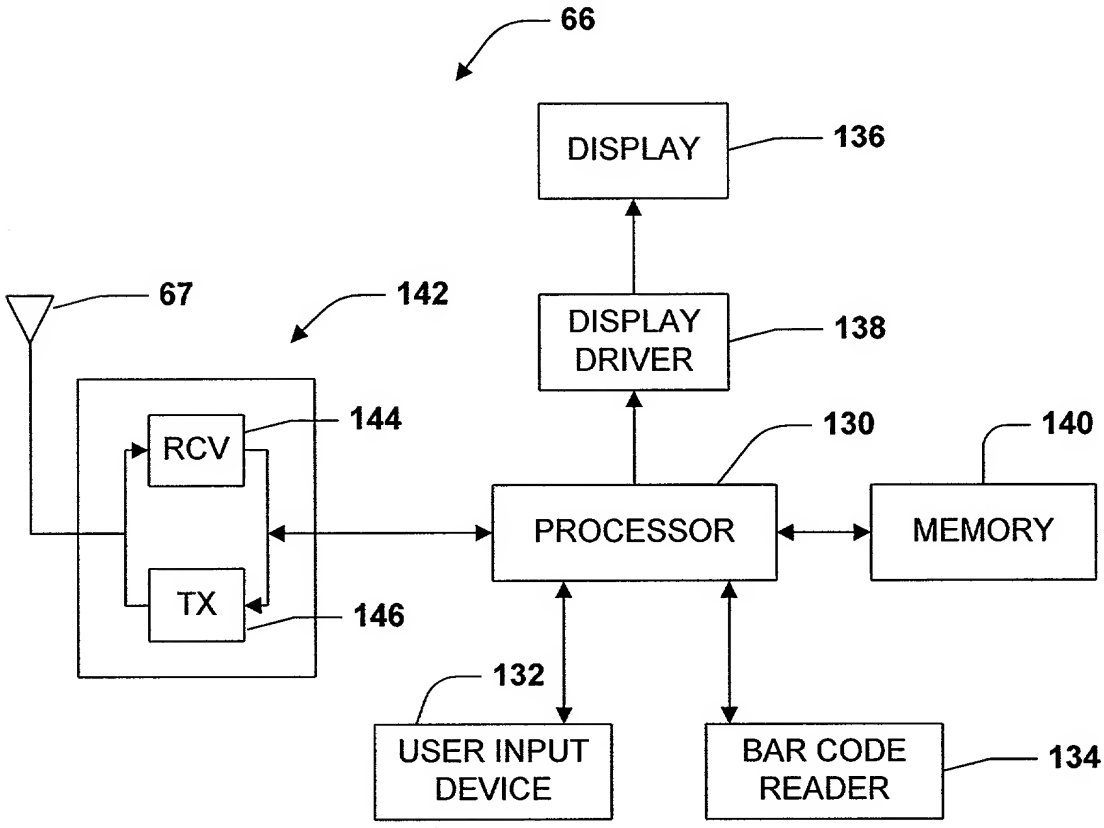
66
DISPLAY
136
67
142
DISPLAY DRIVER
138
144
RCV
130
140
PROCESSOR
MEMORY
TX
146
132
USER INPUT DEVICE
BAR CODE READER
134

Fig. 2d

3932307 0180807

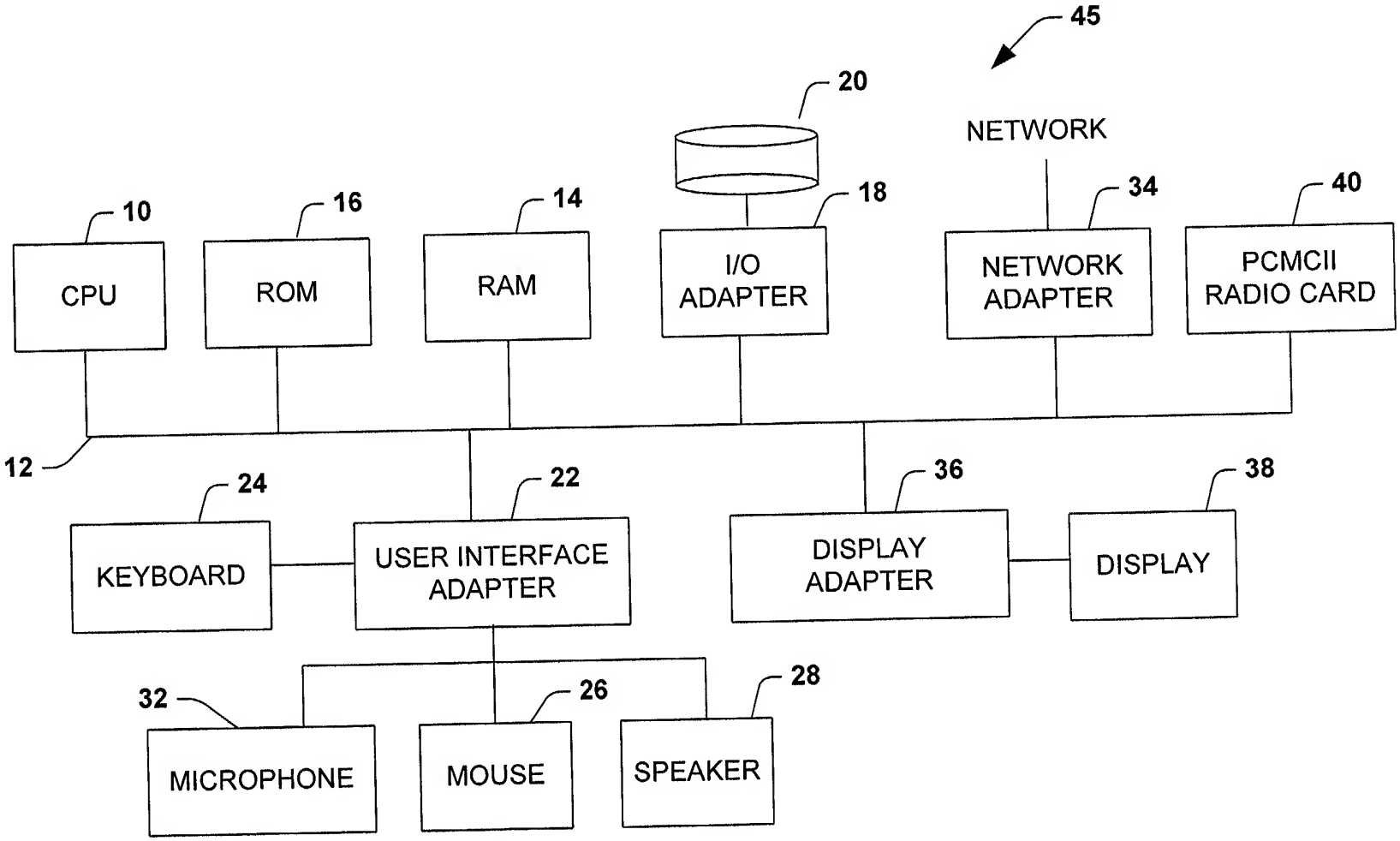

Fig. 3

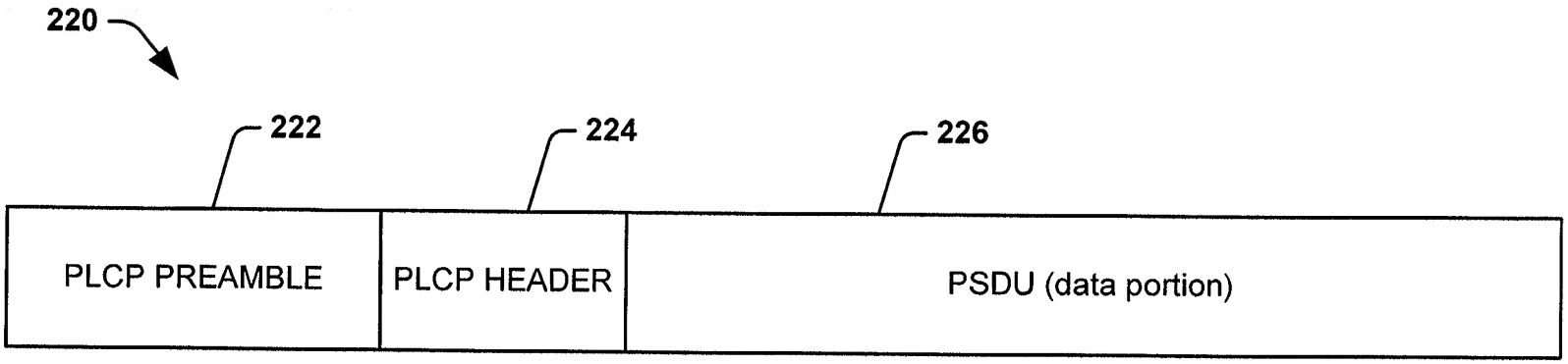
220
222
224
226
PLCP PREAMBLE
PLCP HEADER
PSDU (data portion)

Fig. 5a

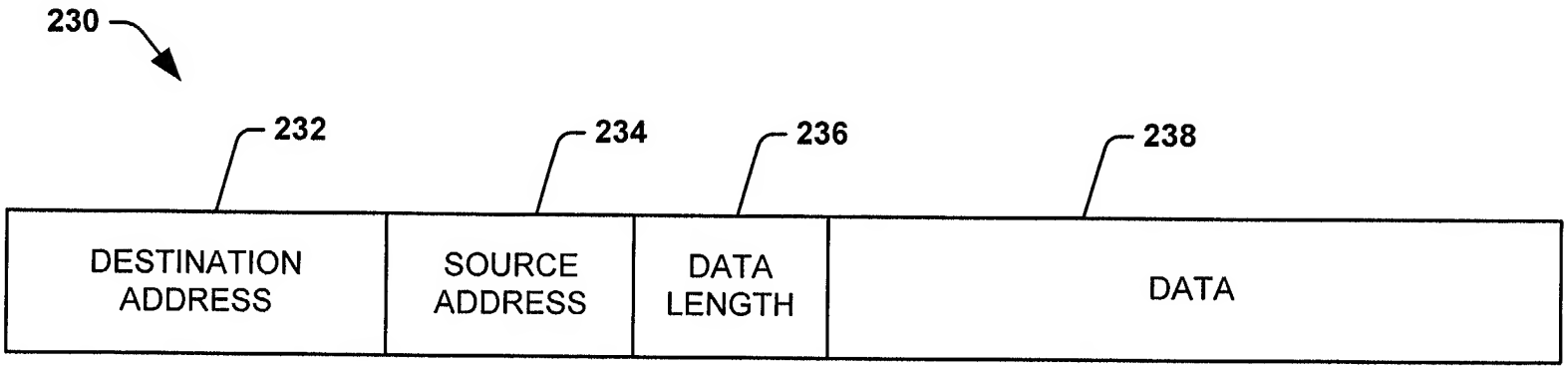
230
232
234
236
238
DESTINATION ADDRESS
SOURCE ADDRESS
DATA LENGTH
DATA

Fig. 5b

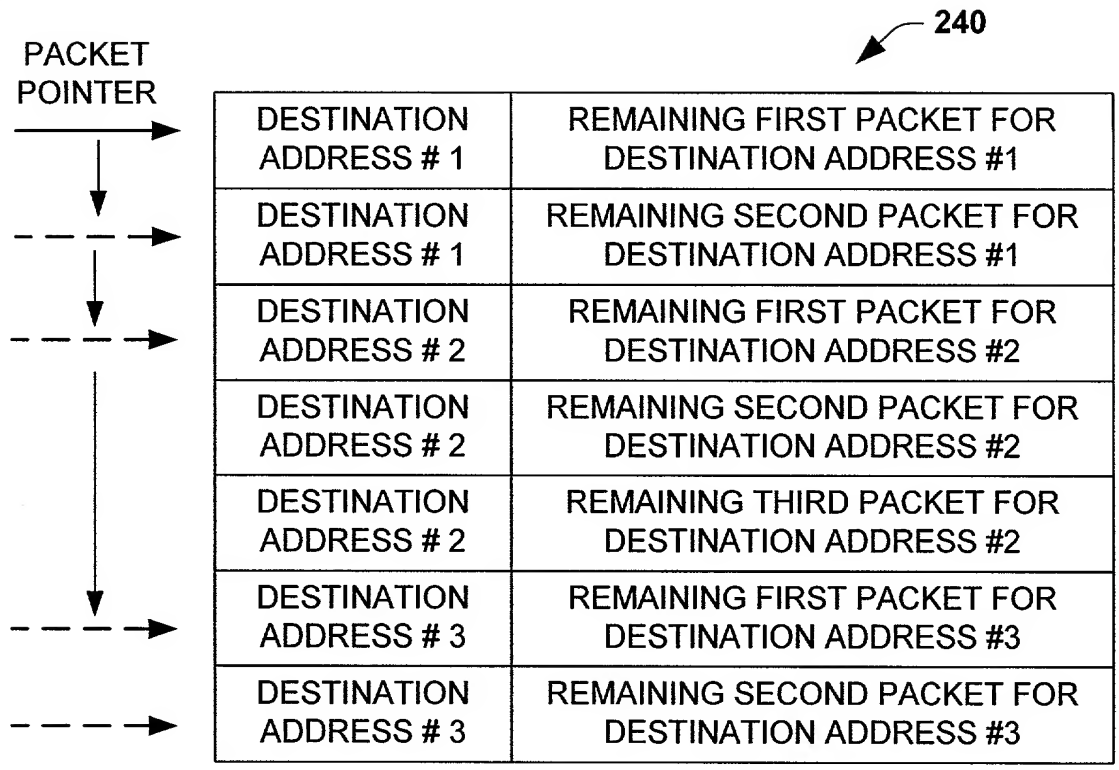
240
PACKET POINTER
DESTINATION ADDRESS # 1
REMAINING FIRST PACKET FOR DESTINATION ADDRESS #1
DESTINATION ADDRESS # 1
REMAINING SECOND PACKET FOR DESTINATION ADDRESS #1
DESTINATION ADDRESS # 2
REMAINING FIRST PACKET FOR DESTINATION ADDRESS #2
DESTINATION ADDRESS # 2
REMAINING SECOND PACKET FOR DESTINATION ADDRESS #2
DESTINATION ADDRESS # 2
REMAINING THIRD PACKET FOR DESTINATION ADDRESS #2
DESTINATION ADDRESS # 3
REMAINING FIRST PACKET FOR DESTINATION ADDRESS #3
DESTINATION ADDRESS # 3
REMAINING SECOND PACKET FOR DESTINATION ADDRESS #3

Fig. 6a

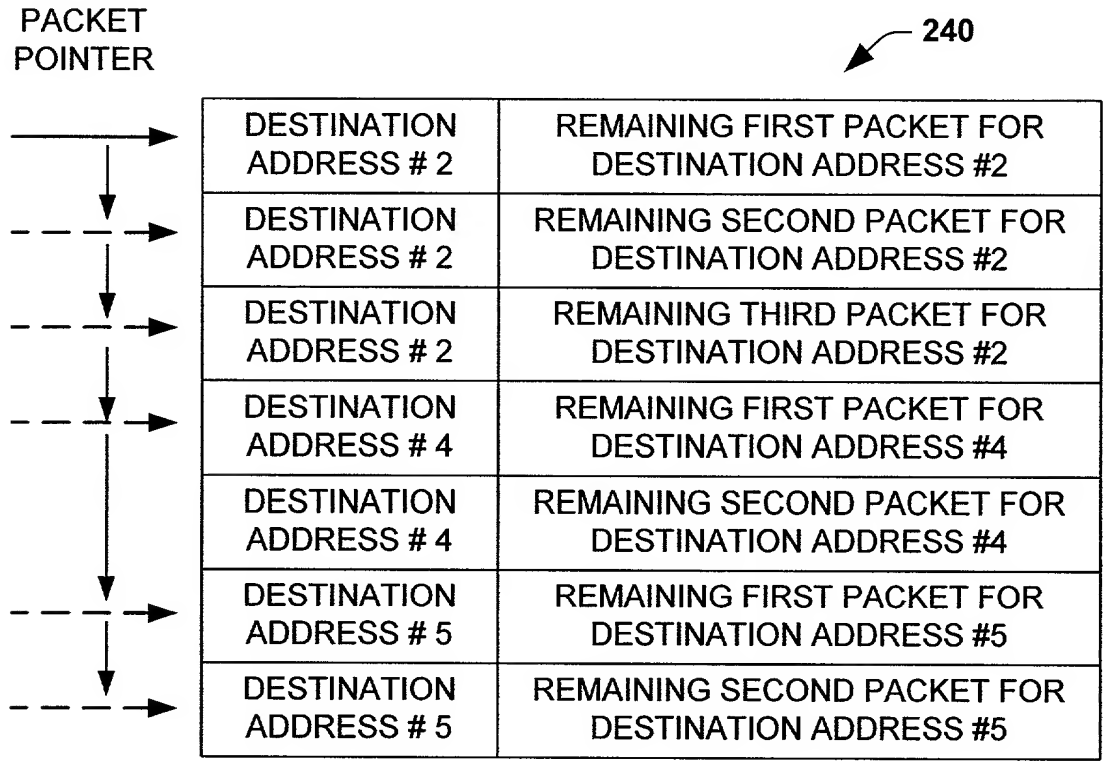
240
PACKET POINTER
DESTINATION ADDRESS # 2
REMAINING FIRST PACKET FOR DESTINATION ADDRESS #2
DESTINATION ADDRESS # 2
REMAINING SECOND PACKET FOR DESTINATION ADDRESS #2
DESTINATION ADDRESS # 2
REMAINING THIRD PACKET FOR DESTINATION ADDRESS #2
DESTINATION ADDRESS # 4
REMAINING FIRST PACKET FOR DESTINATION ADDRESS #4
DESTINATION ADDRESS # 4
REMAINING SECOND PACKET FOR DESTINATION ADDRESS #4
DESTINATION ADDRESS # 5
REMAINING FIRST PACKET FOR DESTINATION ADDRESS #5
DESTINATION ADDRESS # 5
REMAINING SECOND PACKET FOR DESTINATION ADDRESS #5

Fig. 6b

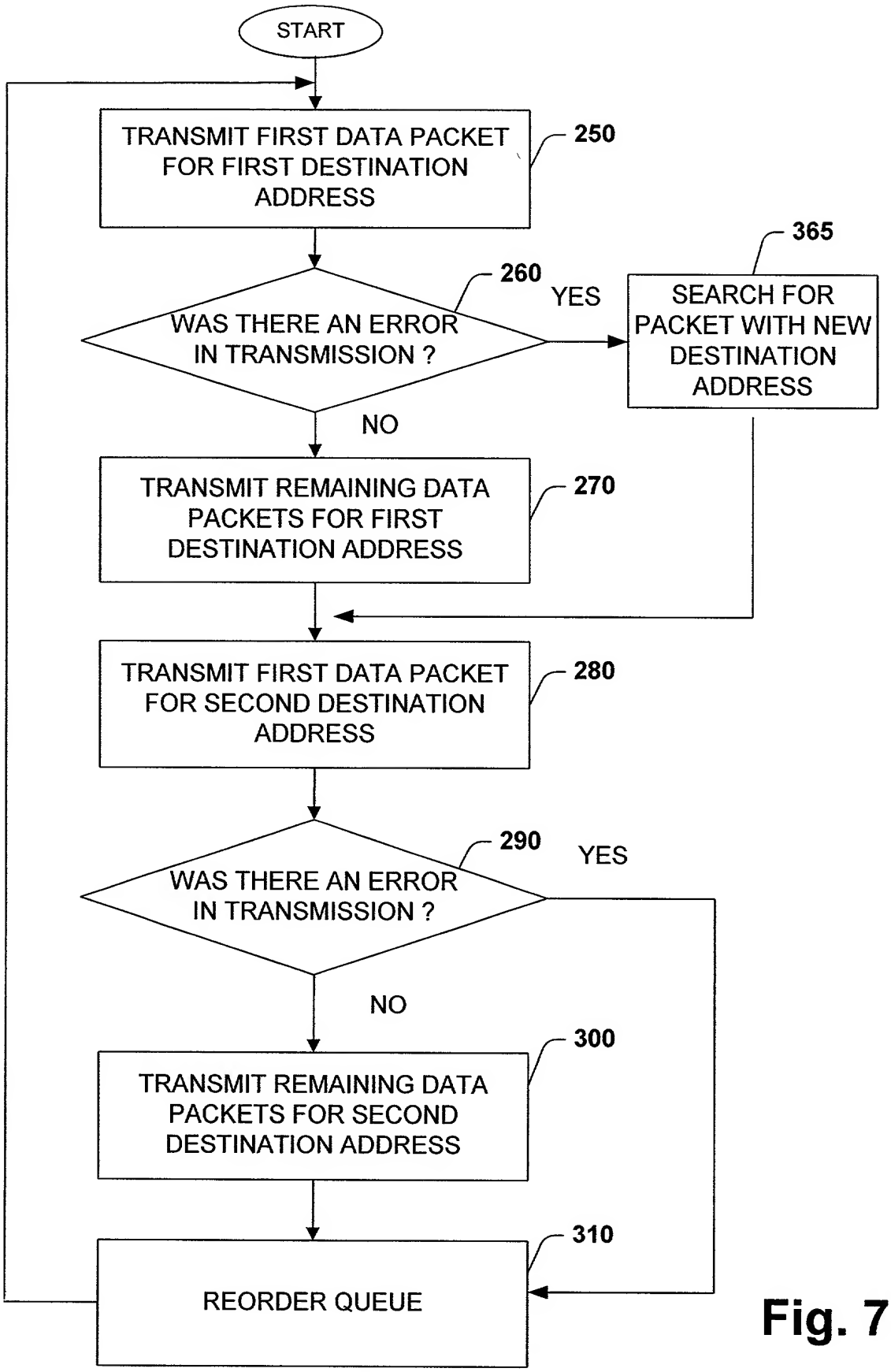
START
TRANSMIT FIRST DATA PACKET FOR FIRST DESTINATION ADDRESS
250
WAS THERE AN ERROR IN TRANSMISSION ?
260
YES
SEARCH FOR PACKET WITH NEW DESTINATION ADDRESS
365
NO
TRANSMIT REMAINING DATA PACKETS FOR FIRST DESTINATION ADDRESS
270
TRANSMIT FIRST DATA PACKET FOR SECOND DESTINATION ADDRESS
280
WAS THERE AN ERROR IN TRANSMISSION ?
290
YES
NO
TRANSMIT REMAINING DATA PACKETS FOR SECOND DESTINATION ADDRESS
300
REORDER QUEUE
310

Fig. 7